



## DoD Global Influenza and Other Respiratory Viral Pathogens Week 42 (17 Oct – 23 Oct) Weekly Surveillance Report



### SUMMARY:

**Number of new isolates for Week 42: 1 Influenza A; 0 Influenza B**

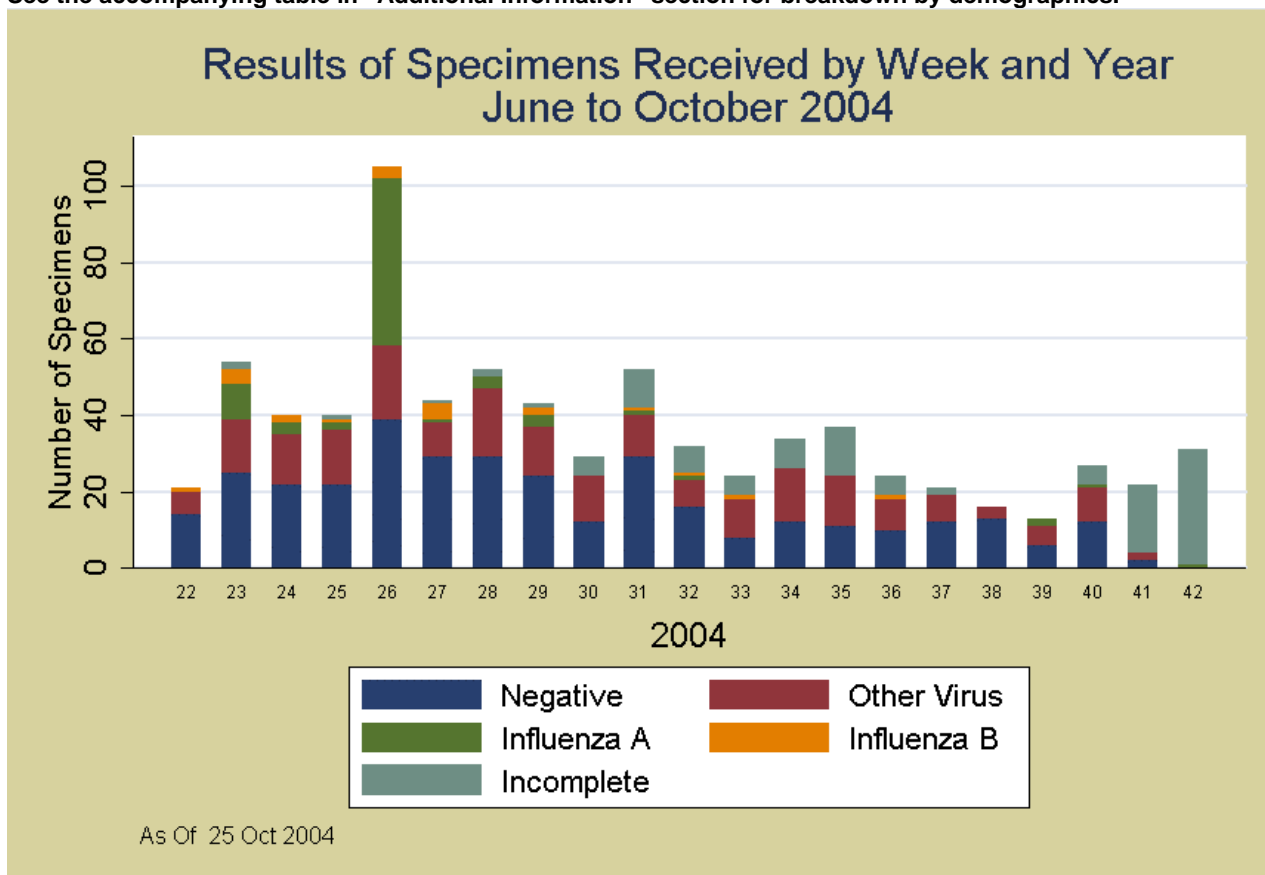
The new isolate was from Ft. Wainwright, AK, a non-sentinel site.

In addition, **4 Influenza A** and **1 Influenza B** were identified from specimens collected prior to Week 42. Two influenza A isolates received from Tripler were collected September 29; no subtyping results are available yet. The other isolates were collected from Peru in August.

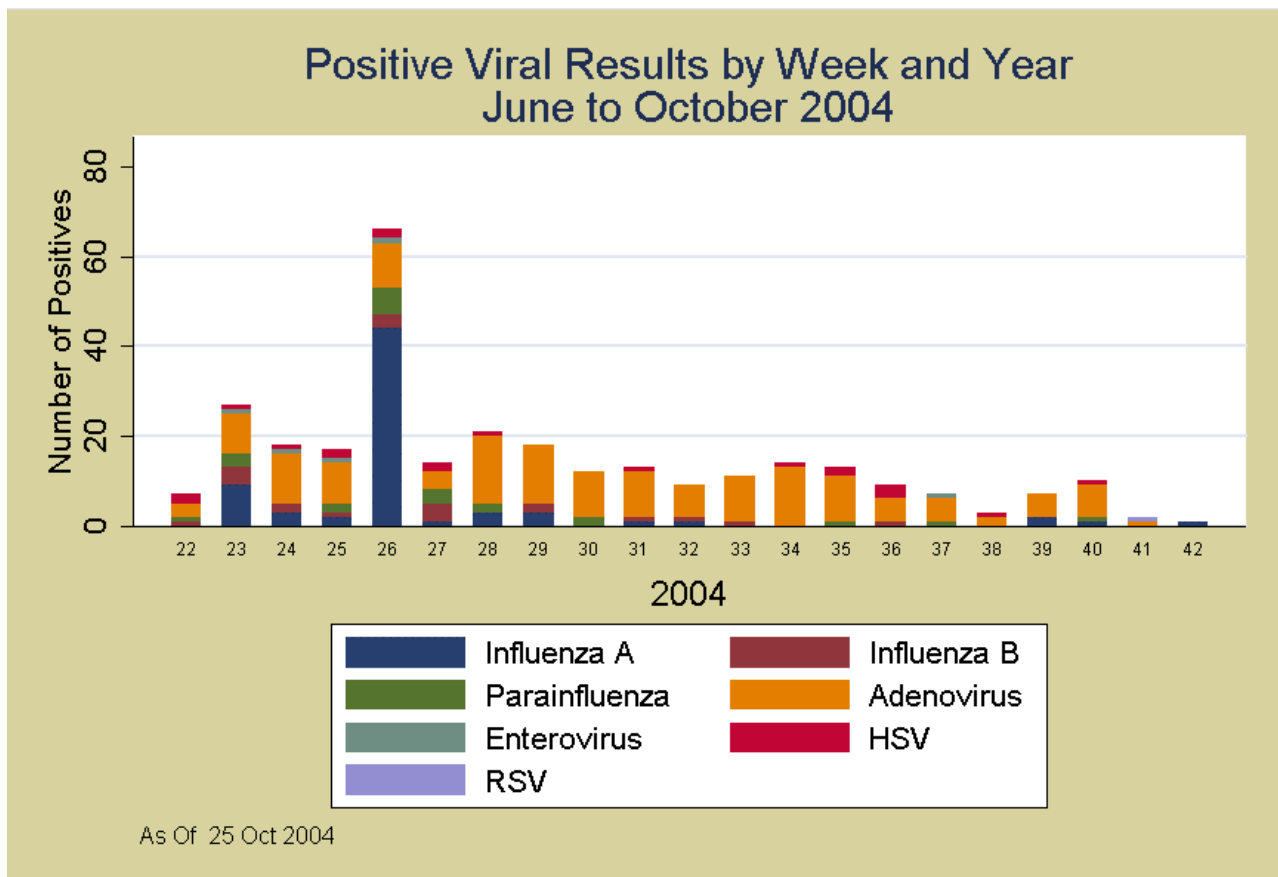
Since **1 June 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has received **762** specimens as part of the influenza surveillance program. Of those specimens, 647 (85%) have been processed to date. Of those specimens processed, 71 (11%) were positive for influenza A and 21 (3%) were positive for influenza B.

Specimens from Peru account for all the incompletes prior to Week 40 in the following graph.

See the accompanying table in “Additional Information” section for breakdown by demographics.



## OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:

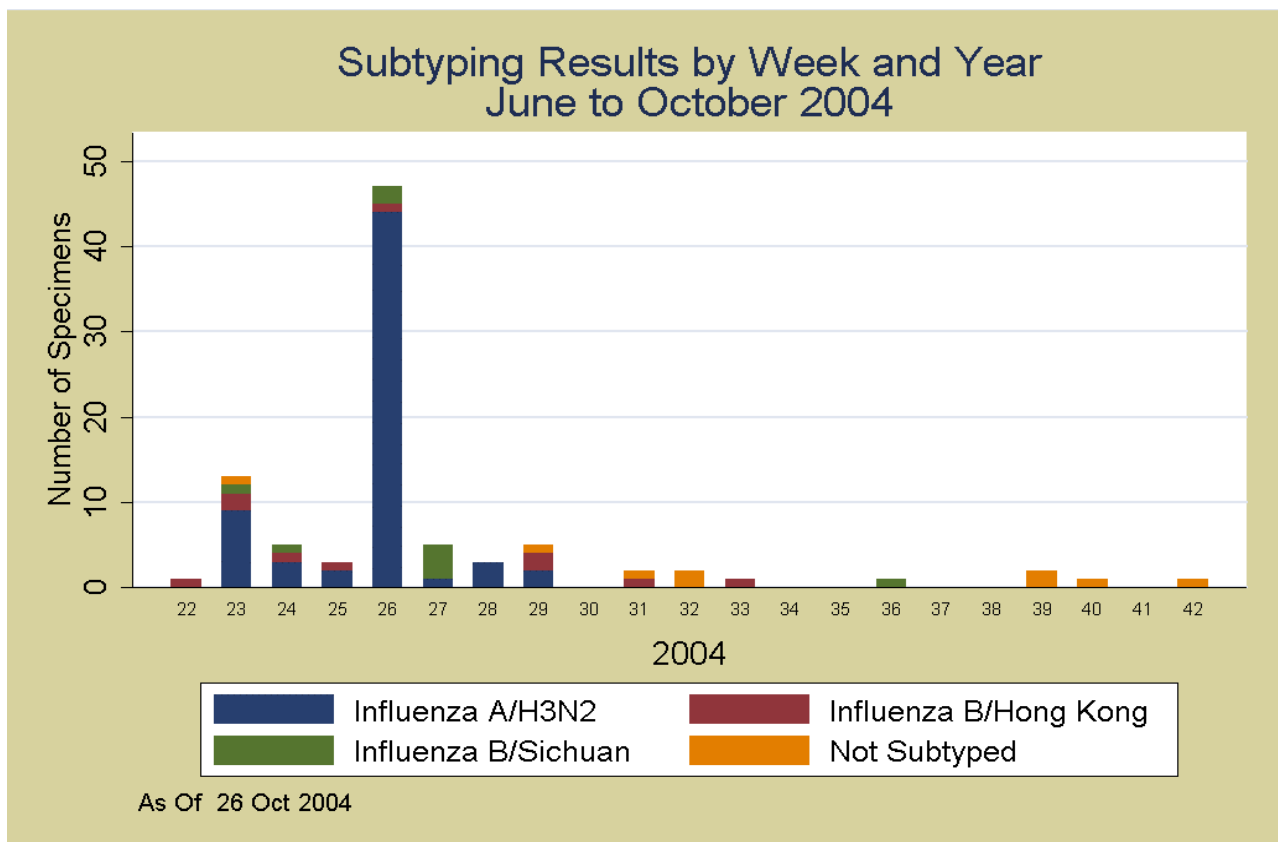


Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

## SUBTYPING:

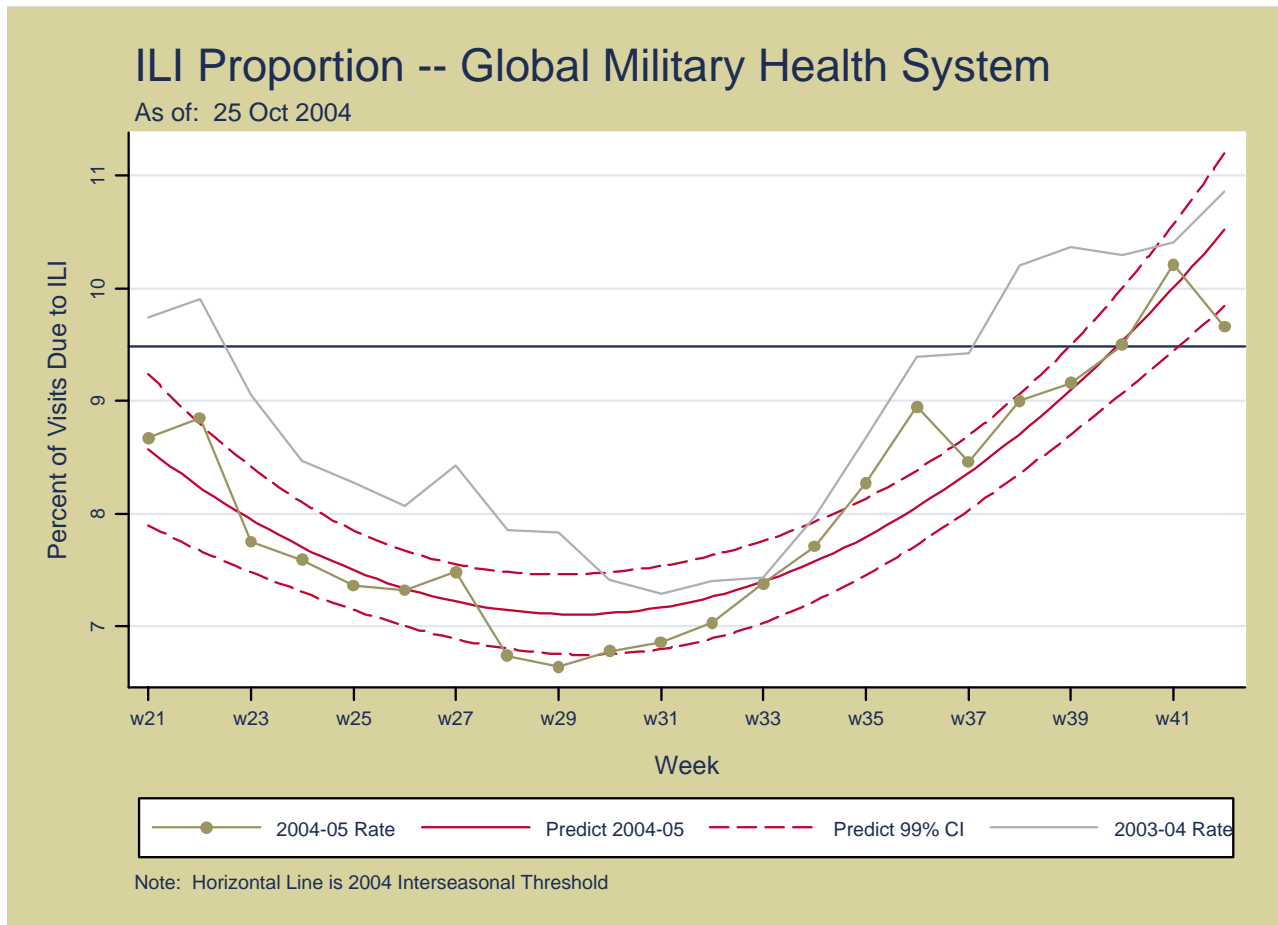
Since **1 June 2004**, a total of 83 isolates have been subtyped. Subtyping was accomplished by either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI). The following table and graph summarize overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website: <https://gumbo.brooks.af.mil/pestilence/Influenza/>

Subtype Result	Cumulative Total
Influenza A/H3N2	64
Influenza A (subtype pending)	7
Influenza B/Sichuan-like	9
Influenza B/Hong Kong	10
Influenza B (subtype pending)	2



## INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits that had an ILI diagnostic code. A predicted trend line and 99% confidence intervals are included based on data from the previous 16 weeks. Any week in which the ILI proportion is outside the 99% confidence interval can be considered to be significantly different than what was expected for that particular week. Data are plotted from the previous influenza season for comparison.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

## NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 41 (the latest report available), a low level of influenza activity was reported in the United States. Laboratory surveillance identified 2 specimens (0.3% of 652 total) positive for influenza: 2 influenza A (H3N2). Ten states reported sporadic influenza activity, while 40 states had no activity.

## INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Week 42**

*South America:* Currently no activity.

*Asia:* China and Australia reported sporadic activity.

*Europe:* Currently no activity.

North America: Currently no activity.

Africa: Currently no activity.

#### ADDITIONAL INFORMATION:

- **Avian Influenza Update:** On 25 October 2004, WHO website reported an additional H5N1-confirmed fatal case in Thailand in a 14-year-old who had confirmed contact with ill poultry. There have been 17 cases total in Thailand this year, 12 of which have been fatal.

Please direct any questions or comments to: [influenza@brooks.af.mil](mailto:influenza@brooks.af.mil)

#### DEMOGRAPHIC SUMMARY:

Table 1. Influenza Isolates by Sentinel Site

	New Isolates		Cumulative (since 1 June 2004)	
# POSITIVES SUBMITTED BY SENTINEL SITES	A	B	A	B
Al Udeid AB, Qatar	0	0	0	0
Andersen AFB, Guam	0	0	1	0
Andrews AFB, MD	0	0	0	0
Aviano AB, Italy	0	0	0	0
Bremerton NS, WA	0	0	0	0
CGS Ketchikan, AK	0	0	0	0
Elmendorf AFB, AK	0	0	0	0
McGuire AFB, NJ	0	0	0	0
Ganci AB, Kyrg	0	0	0	0
Incirlik AB, Turkey	0	0	0	0
Kadena AB, Japan	0	0	0	0
Kunsan AB, Korea	0	0	0	0
RAF Lakenheath, UK	0	0	0	0
Landstuhl RMC, Germany	0	0	0	0
Maxwell AFB, AL	0	0	0	0
Misawa AB, Japan	0	0	0	0
NAB Little Creek, VA	0	0	0	0
NS Pearl Harbor/Hickam, HI	0	0	0	0
NH Yokosuka, Japan	0	0	0	0
NMC San Diego, CA	0	0	0	0
Osan AB, Korea	0	0	0	0
Ramstein AB, Germany	0	0	0	0
Scott AFB, IL	0	0	0	0
Sheppard AFB, TX	0	0	0	0
Travis AFB, CA	0	0	0	0
Tripler AMC, HI	0	0	2	13
US Air Force Academy, CO	0	0	0	0
Yokota AB, Japan	0	0	0	0
<b>TOTALS for SENTINEL SITES</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>13</b>

**Table 2. Influenza Isolates by Overseas Labs**

# POSITIVES SUBMITTED BY OVERSEAS LABS	A	B	A	B
AFRIMS, Thailand	0	0	10	0
AFRIMS, Nepal	0	0	42	0
NMRC-D, Peru	0	0	15	8
NMRC-D, Nicaragua	0	0	0	0
<b>TOTALS for OVERSEAS LABS</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>8</b>

**Table 3. Respiratory specimens received**

Location	Total # of Specimens Received	
	Current Week	Cumulative*
ALL SITES	29	744
NORTH AMERICA	22	313
PACOM	5	140
EUCOM	2	4
CENTCOM	0	0
SOUTH AMERICA	0	287

+Comments: \*Received since 1 June 2004.

**Table 4. Summary of Results of Recently Processed Specimens**

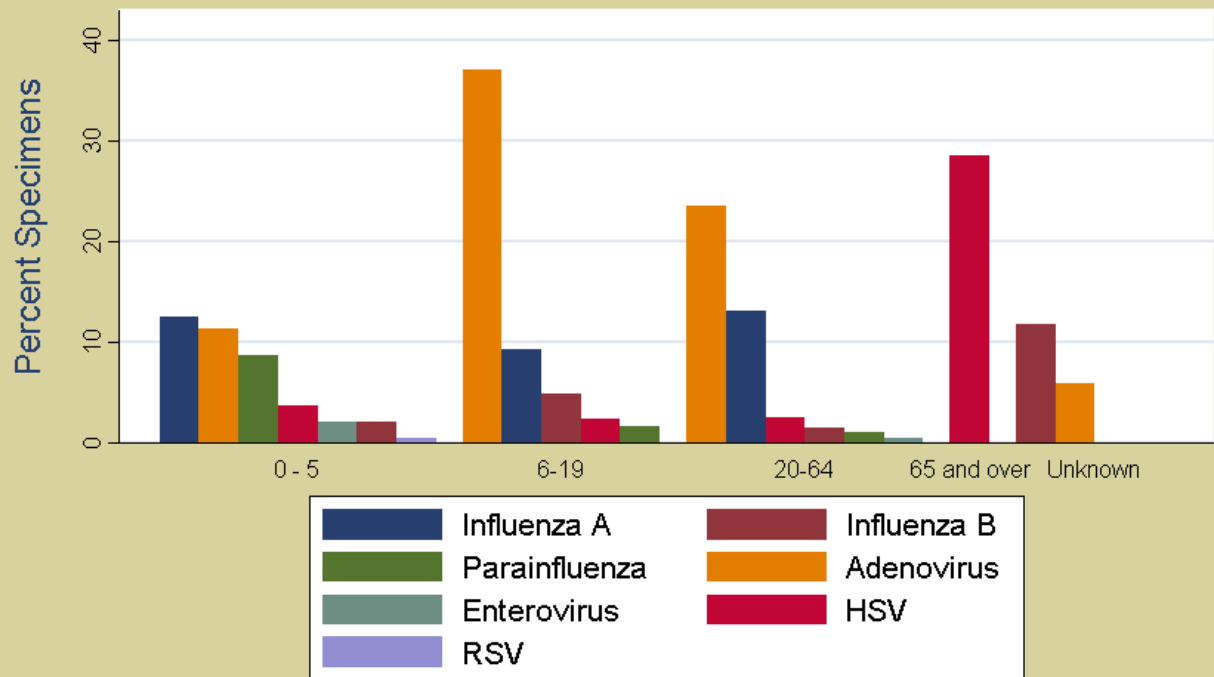
Location	Results of Specimens Processed since 17 October 2004*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
ALL SITES	12	5	1	9	5**
NORTH AMERICA	11	0	0	3	0
PACOM	0	3	0	0	1
EUCOM	0	0	0	0	0
CENTCOM	0	0	0	0	0
SOUTH AMERICA	1	2	1	6	4

Comments: \* specimens were **received** in months of August through October

\*\* 2 HSV, 2 Parainfluenza, 1 RSV

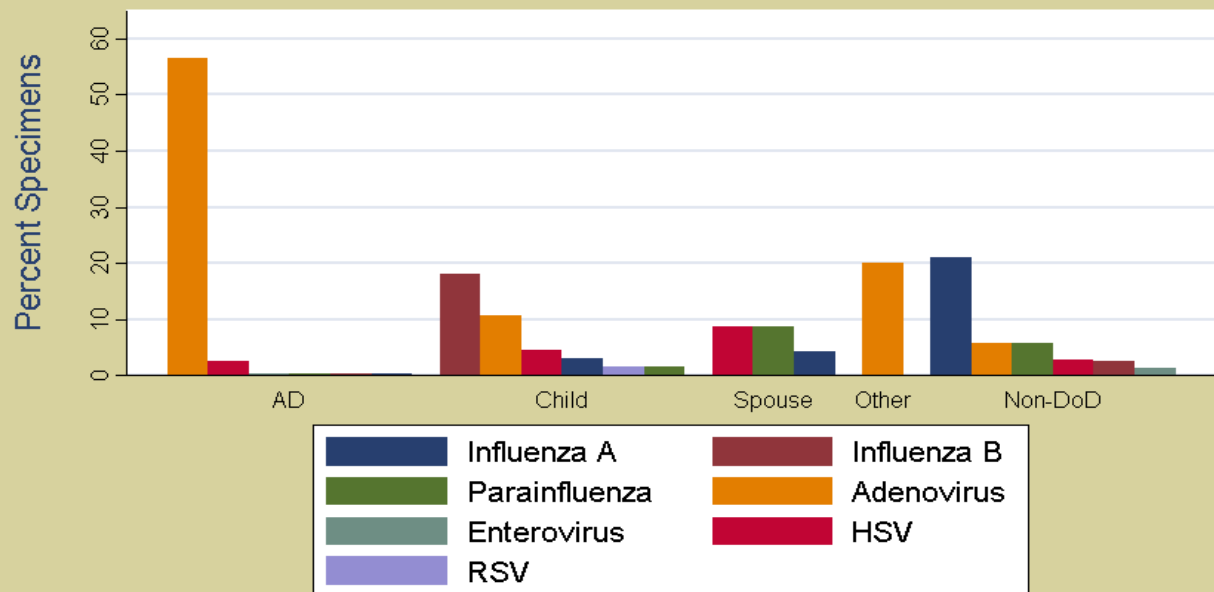
## DEMOGRAPHIC GRAPHS :

**Percent of Respiratory Virus Submissions by Age Group**  
June to October 2004



As of 25 Oct 2004

**Percent of Respiratory Virus Submissions by Military Status**  
June to October 2004



As of 25 Oct 2004